## TRANSMITTAL LETTER TO THE UNITED STATES 17638-006US1 INTEU/P29548US DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

No. (If known see 37 C.F.R. 1.5)

INTERNATIONAL APPLICATION NO. PCT/GB2003/005057

INTERNATIONAL FILING DATE 20 November 2003

22 November 2002

TITLE OF INVENTION

THERMAL ENERGY MANAGEMENT IN ELECTROCHEMICAL FUEL CELLS

APPLICANT(S) FOR DO/EO/US

Pete	er Da	vid Hood, John Philip Mitchell, Paul Leonard Adcock and Jonathan Cole						
App	lican	t herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:						
1.	$\boxtimes$	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.						
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.						
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.						
4.		The US has been elected (Article 31).						
5.	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371(c)(2))						
		<ul> <li>a.</li></ul>						
6.	$\Box$	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).						
٠.	_	a. is attached hereto.						
		b. has been previously submitted under 35 U.S.C. 154(d)(4).						
7.	X	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))						
		<ul> <li>a.  are attached hereto (required only if not communicated by the International Bureau).</li> <li>b.  have been communicated by the International Bureau.</li> </ul>						
		c. have not been made; however, the time limit for making such amendments has NOT expired.						
		d. A have not been made and will not be made.						
8.		An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).						
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).						
	Iten	ems 11 to 20 below concern document(s) or information included:						
11.	$\boxtimes$	An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.						
12.		An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.						
13.	$\boxtimes$	A preliminary amendment.						
14.		An Application Data Sheet under 37 C.F.R. 1.76.						
15.		A substitute specification.						
16.		A power of attorney and/or change of address letter.						
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.						
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).						
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						
20.	$\boxtimes$	Other items or information: International Search Report						

CERTIFICATE OF MAILING BY EXPRESS MAIL EV 664066672 US Express Mail Label No. Date of Deposit: May 19, 2005

	ううううう		JC20 Recidireziónal as	PLICATION 90. MAY	2005 17638-00	CKET NUMBER 6USI		
The followin	g fees have been su	CALCULATIONS	PTO USE ONLY					
21. 🖾 Bas	sic national fee	\$300.00						
If International pro	amination fee eliminary examinati ticle 33(1)-(4)	\$200.00						
Search fee (37 CF Internat International Sear	arch fee FR 1.445(a)(2)) has become ional Searching Autoch Report prepared is	\$400.00						
7111 Ottor Steaderon	Total of 2	\$900.00						
sequence listi	e for specification a ng or computer pro 50 for each addition							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE				
-100 =	/50=			X \$250	\$0.00			
Surcharge of \$130 priority date (37 C	0 for furnishing the C.F.R. 1.492(h)).	\$0.00						
CLAIMS	S NUM	BER FILED	NUMBER EXTRA	RATE				
Total Clai		9 - 20 =		x \$50	\$0.00			
Independent (		2 - 3 =		x \$200	\$0.00			
MULTIPLE DEP	ENDENT CLAIM(	S) (if applicabl		+ \$360 E CALCULATIONS =	\$0.00			
	âa	\$0.00						
Applicant clair	ms small entity statu	s. See 37 C.F.	R. 1.27. Fees above are reduced		\$0.00			
			-9-1/10	SUBTOTAL =	\$900.00			
Processing fee of 3 priority date (37 C	<b>\$130</b> for furnishing C.F.R. 1.492(i))	\$0.00						
			TOT	+ AL NATIONAL FEE =	\$0.00			
Fee for recording by an appropriate	the enclosed assignation cover sheet (37 C.F.	ment (37 C.F.R .R. 3.28, 3.31)	R. 1.21(h)). The assignment must \$40.00 per property	st be accompanied +	\$0.00			
			TOTA	L FEES ENCLOSED =	\$900.00			
					Amount to be refunded:	\$0.00		
					Amount to be charged:	\$0.00		
a. A check	in the amount of \$9	000.00 to cove	r the above fees is enclosed.	3. 3. 3. 3.				
b. Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.								
c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.								
d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where filed and granted	an appropriate tim I to restore the Inte	e limit under rnational App	37 C.F.R. 1.495 has not been plication to pending status.	met, a petition to revive	(37 C.F.R. 1.137(a) or	r (b) must be		
SEND ALL COR	RESPONDENCE T	)~~						
	PTO Custom	Paul A. Pysher						
		40,780						
l		RFR						